Appln. No.: 10/054,067

Amendment Dated September 3, 2003 Reply to Office Action of April 3, 2003

<u>Amendments t the Claims:</u> This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

- 1. Cancelled.
- 2. Cancelled.
- 3. (Currently Amended) The method of claim $\frac{2}{2}$, wherein the immunogenic vaccine comprises at least one immunogen is selected from the group consisting of bacterial, viral, protozoan, fungal, and cellular immunogenic and mixtures thereof.
- 4. (Previously Presented) The method of claim 3, wherein in the immunogenic vaccine consists of a mixture of bacterial immunogens, said mixture comprising at least one immunogen from each of the following bacterial strains:

Escherichia coli, Escherichia coli (Aerobacter); Klebsiella pneumonia; Pseudomonas aeruginosa; Salmonella typhimurium; Salmonella dysenteriae; Salmonella enteriditis; Salmon epidermis; Salmonella simulans; Streptococcus pyogenes, type 1; Streptococcus pyogenes, type 3; Streptococcus pyogenes, type 5; Streptococcus pyogenes, type 8; Streptococcus pyogenes, type 12; Streptococcus pyogenes, type 14; Streptococcus pyogenes, type 18
Streptococcus pyogenes, type 22; Pseudomonas vulgaris; Streptococcus agalactiae; Streptococcus mitis; Streptococcus mutans; Streptococcus salavarius; Streptococcus sanguis; Streptococcus pneumoniae; Propionibacterium acnes; and Haemophilis influenzae.

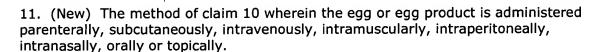
- 5. (Currently Amended) The method of claim 2 10, wherein the genetic vaccine comprises at least one immunogen-coding DNA construct is selected from the group consisting of fragments of naked DNA, plasmid DNA, viral DNA, bacterial DNA, DNA expression libraries, DNA-RNA immunogens, DNA-protein conjugates and DNA liposome conjugates, and mixtures thereof.
- 6. (Currently Amended) The method of claim $\frac{1}{2}$, wherein the effective amount of the egg or egg product administered to the subject animal ranges from 0.5 6 grams of egg or egg product per kilogram of subject animal weight per day.
- 7. (Currently Amended) The method of claim 6, wherein the effective amount of the egg or egg product administered to the subject animal is 4 grams of egg or egg product per kilogram of subject animal weight.

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- 8. (Currently Amended) The method of claim $\pm \underline{9}$, wherein the egg product is administered parenterally, subcutaneously, intravenously, intramuscularly, intraperitoneally, intranasally, orally or topically.
- 9. (New) A method for treating and preventing diarrheal symptoms in a subject animal, the method comprising hyperimmunizing an egg-producing animal, collecting egg or egg product from an egg of the hyperimmunized egg-producing animal, and administering an effective amount of the egg or egg product to the subject animal, wherein hyperimmunizing the egg-producing animal comprises treating the egg-producing animal with a vaccine comprising at least one immunogen, and wherein the subject animal is free of infection from the immunogen.
- 10. (New) A method for treating diarrheal symptoms in a subject animal, the method comprising hyperimmunizing an egg-producing animal, collecting egg or egg product from an egg of the hyperimmunized egg-producing animal, and administering an effective amount of the egg or egg product to the subject animal, wherein hyperimmunizing the egg-producing animal comprises treating the egg-producing animal with a vaccine comprising at least one immunogen-coding DNA construct, and wherein the subject animal is free of infection from the immunogen-coding DNA construct.



- 12. (New) The method of claim 10 wherein the effective amount of the egg or egg product administered to the subject animal ranges from 0.5 6 grams of egg or egg product per kilogram of subject animal weight per day.
- 13. (New) The method of claim 12 wherein the effective amount of the egg or egg product administered to the subject animal is 4 grams of egg or egg product per kilogram of subject animal weight.

